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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT - JAPAN, 04 MAY 1975

J. R. Woolson, et al

Teledyne Geotech

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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT Japan, 04 May 1975

J.R.Woolson, D.O.Solari, M.S.Dawkins, K.J.Hill, and R.J.Markle Alexandria Laboratories Teledyne Geotech, 314 Montgomery Street, Alexandria, Virginia 22314

October 1975

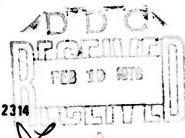
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SDCS Event Report No. 36

Japan, 04 May 1975

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is:

	Origin Time	Latitude	Longitude	m _b	Ms
NORSAR	09:32:05	37.8N	142.1E	5.7	N/A
LASA	09:31:55	36.8N	140.1E	5.8	N/A
PDE	09:32:00	37.1N	142.1E	5.8	5.6
Hagfors Array, Sweden	09:32:35	41.0N	134.0E	6.1	6.2

Using SDCS stations, LASA and NORSAR, the epicenter location and magnitudes become

09:31:53.7 36.4N 141.7E 5.6 5.2

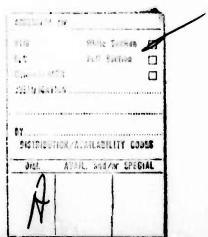
All SDCS stations were operational during this period.

Short-period signals associated with this event were recorded at all SDCS stations, LASA and NORSAR. Horizontal channels at FN-WV were not rotated due to unknown instrument orientation.*

Long-period signals were recorded at all SDCS stations. At HN-ME the gain of the LP transverse instrument was unknown. Horizontal channels at FN-WV were not rotated due to unknown instrument orientation.* LP array beam data were unrecoverable.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response) with the exception of LASA and NORSAR short-period plots. LASA SP scaling factors are millimicrons per inch. Scaling factors are not reported for NORSAR short-period.

*Due to operational problems the instrument hole lock was repositioned and the known orientation lost. Situation corrected 24 May 75 when the instrument was moved to a new borehole.



STATION DESCRIPTION

SITE	LOCATION	SITE C DEG	8 S	SITE COORDINATES DEG MN SECS	ELEVATION METERS	INSTRUMENTATION SHURT-PERIOD LONG-	NTATION LONG-PERIOD
ALPA	Alaska	147	14	N 0.63	979	None	31300
CPSU	McMinnville, Tennessee	35	35	41.4 N 13.5 W	574	6480 V 7515 H	SL210 V SL220 H
FN - WV	Franklin, West Virginia	38	32	58.0 N 47.0 W	910	KS36000	KS36000
LASA	Billings, Montana	46 106	41	19.0 N 20.0 W	744	HS10	7505A V 8700C H
HN-ME	Houlton, Maine	46	9	43.0 N 09.0 W	213	18300	SL210 V SL220 H
NORSAR	Kjeller, Norway	010	49	25.4 N 56.5 E	379	HS10	7505A V 8700C H
RK-ON	Red Lake, Ontario	50	50	20.0 N 20.0 W	366	18300	SL210 V SL220 H
WH2YK	White Horse, Yukon	60 134	41	41.0 N 02.0 W	853	18300	SL210 V SL220 H

HYPOCENTER DETERMINATION

			RES	IDUALS	DIST.	AZ.
STA.	ARR	IVAL	CALC	REST	REST	REST
WH2YK	09 41	32.9	0.3	0.5	55.9	36.2
NAO	09 43	36.7	-C.4	-0.9	75.1	337.5
IAC	09 43	49.1	-0.7	-0.3	77.3	40.8
PK-ON	09 44	05.1	-1.4	-1.4	80.4	31.9
HN-ME	09 45	11.2	C. 4	0.3	93.6	20.2
CPO	09 45	22.5	G.G	6.3	96.6	37.0
FN-WY	09 45	24.1	0.4	0.	96.3	31.3

67 HERRIN TRAVEL TIME TABLES

ORIGIN LAT. LCNG. DEPTH (KM) SUV IT STA
NO CONVERGENCE ON CALC RUN
09:32:17.5 37.206N 141.834E 164. CALC 0.7 16 7
C9:31:53.7 36.389N 141.684E 0. FEST 0.7 3 7

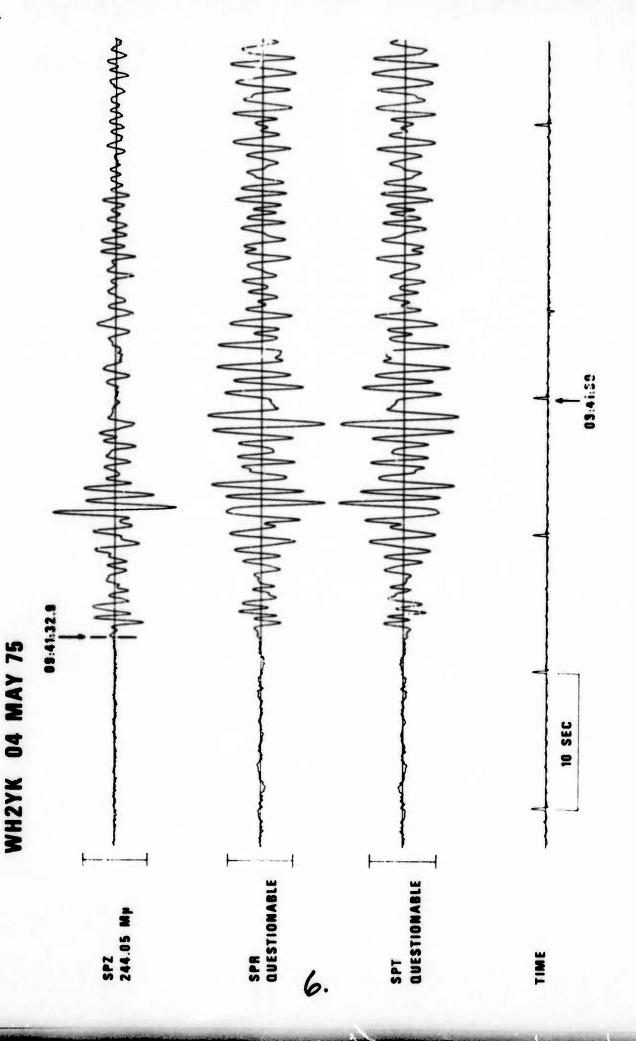
		CA	LC					RE	ST		
		1.	1					1.	1		
	0	•		5			0			5	
0		0.	0		0	0		0.	C		0
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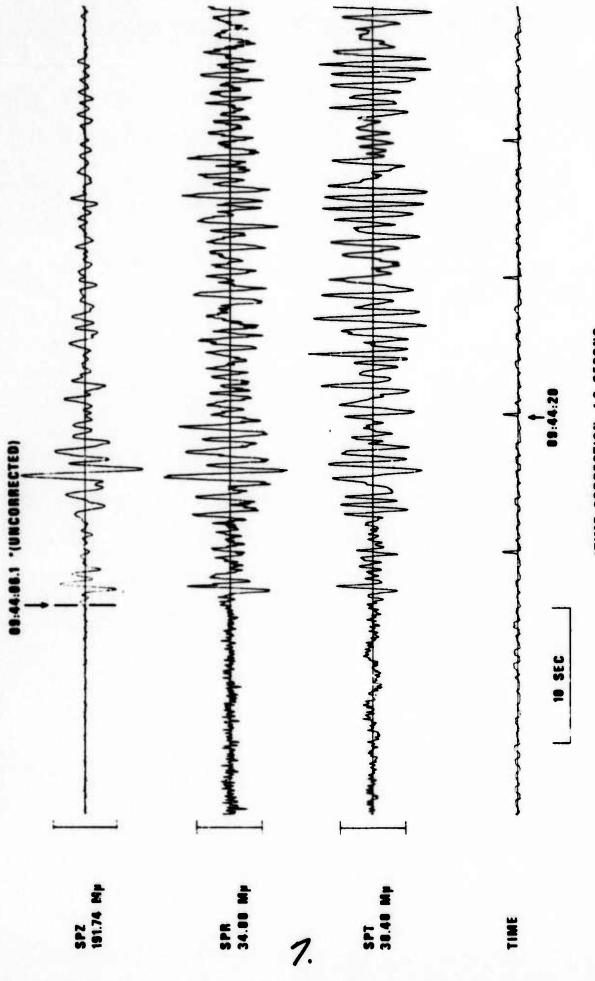
CHI2 COVERAGE ELIIPSE: 95 PER CENT CCNF..LEVEL, SDV= 0.90
HAJCF 133.4KM. HINCR 46.9KM. AZ= 5 AREA= 19649 SO.KM. REST

DATA SUMMARY

INPUT FOR EVENT 4 MAY 75 09:31:55.0 36.800W 140.10CE CKM.

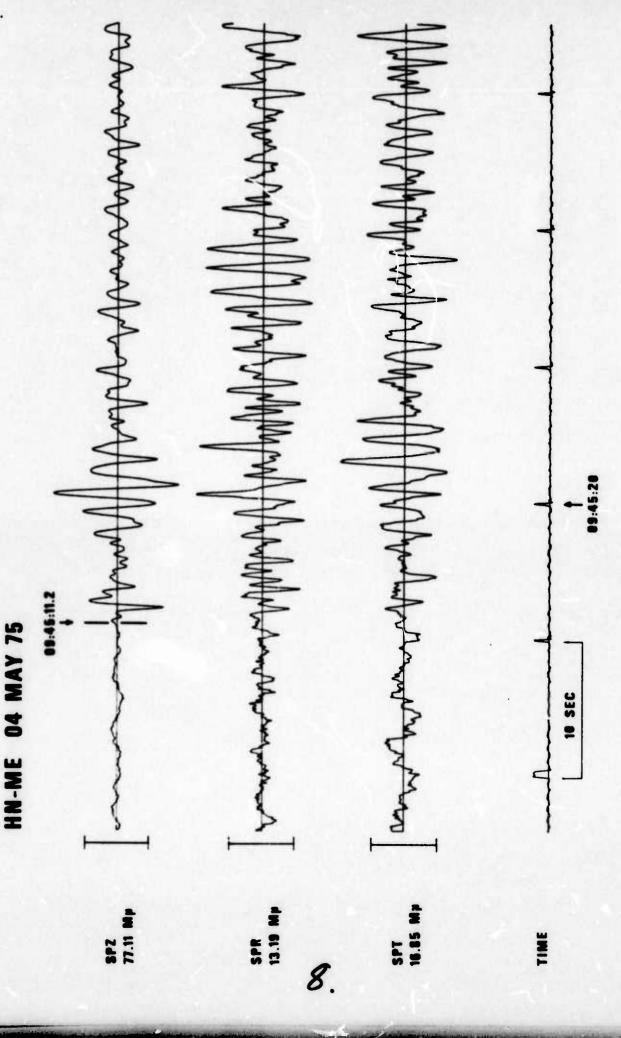
		A	RRI	AL				MAC	SNITU	DE			
STA.	PHASE		TI	IE	INST	PIP	AZI_	<u>MB</u>		MS	DIR	DIST	
NH24K	32	09	41	32.9	SPZ	6.8	138.	5. 64	4			55.9	
H2YK	LR	10	03	35.0	LPZ	20.0	89.		4.	82		55.9	
NAO	EP	09	43	36.7	AB	0.9	146.	5.68	8			75.1	
LAC	EP	9	43	49.1		0,8	180.	5.80	5			77.3	
RK-ON	EP	09	44			0.7	111.	5. 49	9			86.4	
RK-CN	LQ	10	16	13.3		27.0	31.						
RK-CN	LR	10	26	45.0		19.0	181.		5.	28		87.4	
HN-HE	EP	09		11.2		0.9	76.	5.7	2			93.6	
HN-ME	LR	16		25.0		21.0	135.		5.	22		93.6	
CFC	EP	19	45	22.5		1.2	64.	5.80				96.7	
CFC	LQ	10	16			33.0	220.						
CFC	LR	10		54.0		20.0	147.		5.	27		96.0	
FH-HY	EP	50				0.8	9.	4.9				96.3	
PH-84	LR	10		56.0		23.0	116.		5.	17		96,3	
CRI	GIN	1	AT.		LCNG.	DEPT	H (KH)	HAG	SDV	STA	LPHAG	LPSDV	LPST
09:	31:53.7			9N 14	1.684E		RIST	5.60	9.30	7	5.15	0.2	5



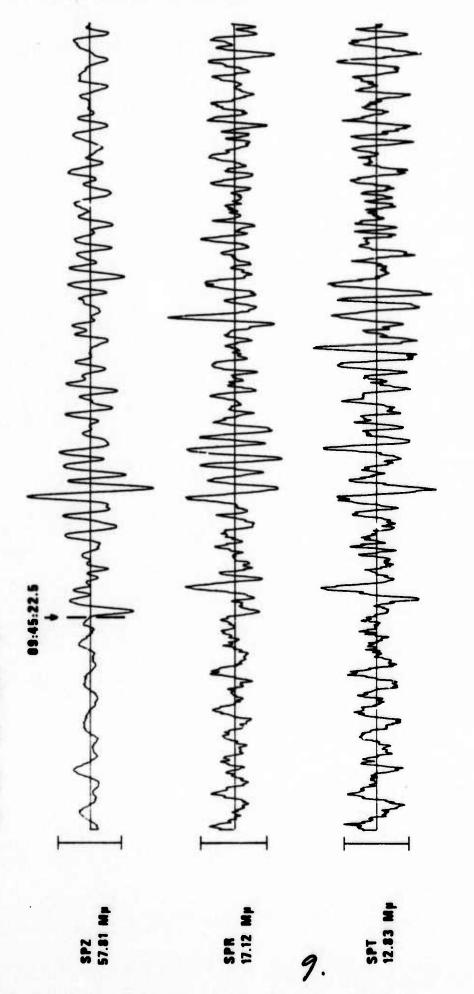


RK-ON 04 MAY 75

TIME CORRECTION -1.0 SECONO



CP-SO 04 MAY 75



FN-WV 04 MAY 75







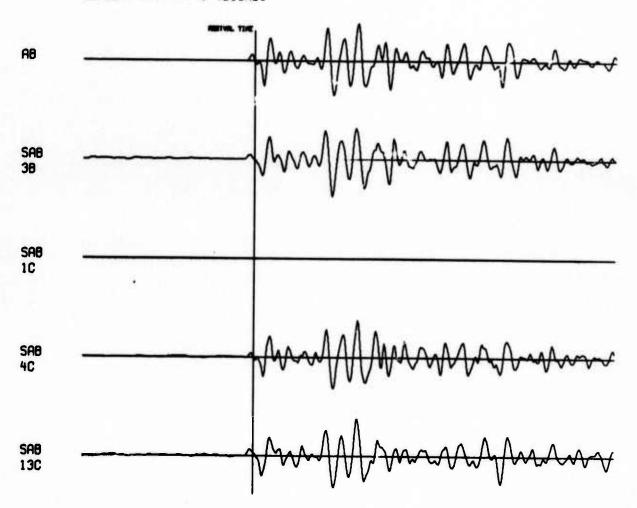


NORSAR EVENT FILE 1975 MAY 4

EPX NG. 27590 ARR. 9.43.37.4 37.8N 142.1E 5.6MB 33KM

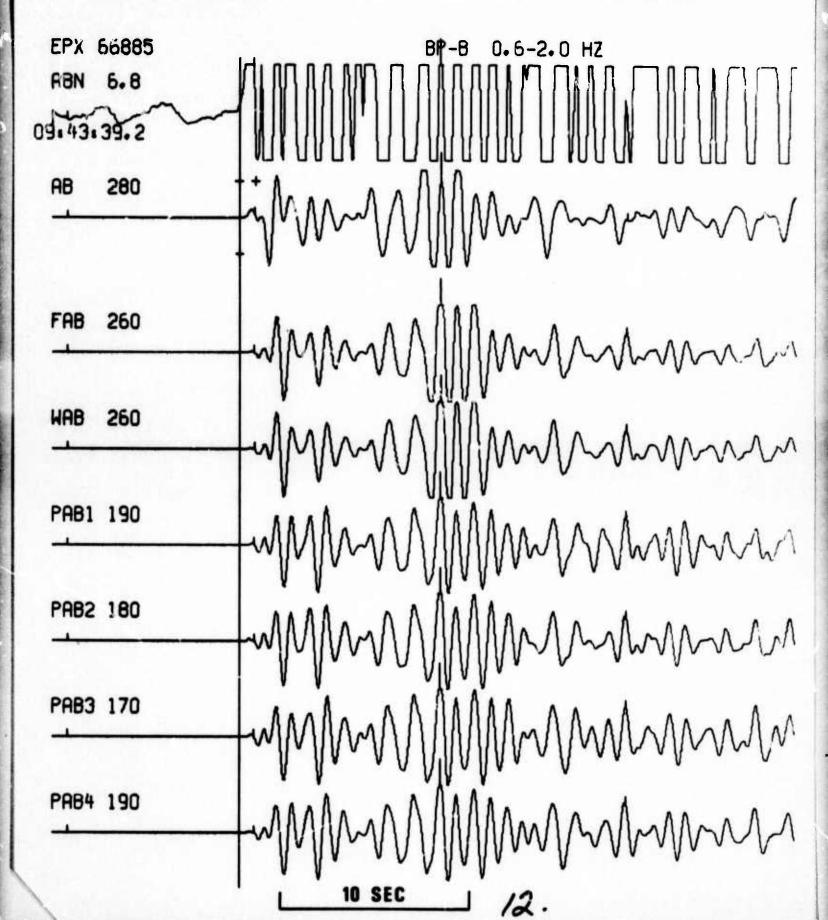
DIST = 74.0 AZI = 38.3 AMP = 56.0 PER = 0.9 UMETH 2

SCALE - 5 SECONDS

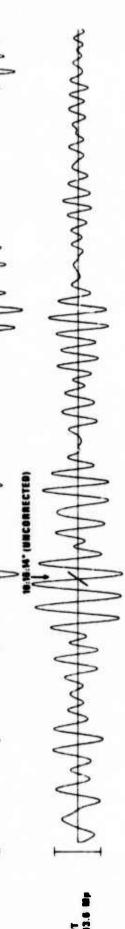


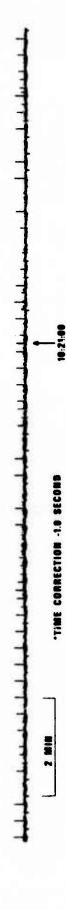


1. 4 MAY 1975 2 9 31 55 36.8N 140.1E 33C C 5.8 228 NEAR E COAST HONSHU. JAPAN 3 9 43 49.2 LAO P 90.7 0.9 20.0 77.9 311.2



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TIME

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CALIBRATION INVALID

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FN-WV 04 MAY 75

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